

©  
Government of Kerala  
കേരള സർക്കാർ  
2011



Reg. No. രജി. നമ്പർ  
KL/TV(N)/12/2009-2011

# KERALA GAZETTE

PUBLISHED BY AUTHORITY

---

Vol. LVI	}	THIRUVANANTHAPURAM, TUESDAY	6th December 2011	No.	}	48
വാല്യം 56			2011 ഡിസംബർ 6			
		തിരുവനന്തപുരം, ചൊവ്വ	15th Agrahayana 1933			
			1933 അഗ്രഹായനം 15			

---

## PART III

## University of Kerala

### NOTIFICATIONS

(1)

No. Acad.L/R/2448/2011.

17th May 2011.

### AMENDMENT TO THE REGULATIONS RELATING TO BACHELOR OF AUDIOLOGY AND SPEECH LANGUAGE PATHOLOGY DEGREE COURSE (BASLP)

The Academic Council at its meeting held on 25th May, 2010 approved the Regulations relating to Bachelor of Audiology and Speech Language Pathology (BASLP) Degree Course to be implemented from 2010 admissions as recommended by the Board of Studies in BASLP at its meeting held on 11th January 2010 and the Faculty of Medicine at its meeting held on 19th January 2010.

### REGULATIONS RELATING TO BACHELOR IN AUDIOLOGY AND SPEECH LANGUAGE PATHOLOGY (BASLP)

1. TITLE OF COURSE : BACHELOR OF AUDIOLOGY AND SPEECH LANGUAGE PATHOLOGY (BASLP)
2. ELIGIBILITY FOR ADMISSION

- (a) *Education*:—Minimum educational requirement for admission will be a pass in Plus two/Pre-degree/12th standard, or its equivalent from any Board or University in India or abroad recognized as equivalent for admission to a degree course in the University of Kerala. The candidate must have secured a minimum of 50% marks in Physics, Chemistry and Mathematics/Biology/Computer Science/Statistics/Electronics/Psychology. For SC/ST and persons with disabilities the minimum marks is a pass.

(b) *Subjects.*—The subjects at plus two or equivalent level shall be Physics and Chemistry with Biology/Mathematics/Computer Electronics/Psychology as optional.

(c) *Age.*—Must be 17 years or more on the last day set for receiving applications.

### 3. MEDIUM OF INSTRUCTION

The medium of instruction for the course shall be English.

### 4. COURSE WORK

The course of study for the 6 semesters of course work shall include theory and practicum approved by RC as enclosed.

### 5. DURATION OF THE COURSE

The duration of the course will be 6+2 semesters, 6 semesters of course work and 2 semesters of internship.

### 6. ATTENDANCE

Each candidate must have minimum attendance of 75% in theory classes and in clinical practicum for each semester. Failure to meet the criteria will disqualify the student from attending the University examinations of the respective semester. The candidate will have to repeat the semester, i.e. both theory and clinical practicum will have to be repeated in toto. A candidate can repeat the semester only once during the course.

### 7. EXAMINATION

There shall be semester examination conducted by the University at the end of each semester.

### 8. LETTER GRADES

For each subject in a semester, a letter grade (D, D+, C+, B, B+, A, and A+) will be awarded based on the total marks obtained by the student in the University Examinations and Continuous Assessment (CA) put together. Each letter grade has a Grade Point (GP) as shown below.

<i>% of total marks</i>	<i>Alpha-Sign Grade</i>	<i>Grade Point (G.P)</i>	<i>Remarks</i>
Below 40%	D	1	Failed
40% and above but less than 50%	D+	2	Passed/Failed
50% and above but less than 60%	C+	3	Passed
60% and above but less than 65%	B	4	
65% and above but less than 70%	B+	5	
70% and above but less than 75%	A	6	
75% and above	A+	7	Distinction

### 9. GRADE POINT AVERAGE AND CUMULATIVE GRADE POINT AVERAGE

Grade Point Average (GPA) for each semester is calculated based on the GP obtained by the student for each subject and the credit assigned to that subject. It is calculated as

$$\text{GPA} = \frac{\sum \text{Credit} \times \text{GP obtained for the subject}}{\sum \text{Credit for subject}} \quad \text{or} \quad \frac{g1c1+g2c2+g3c3+...}{c1+c2+c3....}$$

Cumulative Grade Point Average (CGPA) is the average grade points obtained by the students till the end of any particular semester. CGPA is calculated in a 7 point scale as shown below :

$$\text{CGPA} = \frac{\sum \text{Credits for semester} \times \text{GPA obtained for the semester}}{\sum \text{Credits for semester}}$$

## 10. PASS MINIMUM

A candidate is declared to have passed the semester examination if he/she gets grade C+ with 3 GP or more (50% or more marks) for each paper (theory and practicum combined) with a separate minimum of grade D+ with 2 GP or more (40% or more marks) for each theory paper and its practicum.

For such papers having common practicum the candidate has to get Grade C+ with 3 GP or more (50% or more marks) for all theory papers and the common practicum combined with a separate minimum of grade D+ with 2GP or more (40% or more marks) for each theory paper and the common practicum.

For such papers that have no practicum the minimum marks for pass will be Grade C+ with 3 GP (50%).

## 11. PROMOTION

A candidate should pass all the papers of a particular semester in a single or in three successive attempts including the first attempt. Those who fail to pass any paper within the three attempts will have to discontinue the course.

The candidate should have cleared all the papers of the first semester before appearing for the final semester examination.

The candidate, who has failed to secure grade C+ (pass mark) for each paper, has to reappear for both theory and practicum of that paper.

For such papers having common practicum the candidate has to repeat all the papers and the common practicum if he/she fails to get pass minimum.

Internship will start only after the candidate has successfully completed the course including clinical practicum.

## 12. INTERNSHIP

Each candidate has to undergo two semesters of internship (10 months) after successfully completing the course. Fifty percent of internship shall be done outside the parent institution approved by the University.

## 13. AWARD OF CLASS

Class shall be awarded for each semester examinations as given below.

- (a) **Distinction** :—The candidate securing grade A+ with 7 CGPA (75% or more marks) in aggregate both theory and practical) shall be declared to have passed in First Class with Distinction.
- (b) **First Class** :—The candidate securing Grade B or above with 4 or more CGPA but less than 7 CGPA (60% marks or above) in the aggregate (both theory and practical) shall be declared to have passed in First Class.
- (c) **Second Class** :— The candidate securing Grade C + or above with 3 or more CGPA (50% marks or above), but less than Grade B (60%) with 4 CGPA of the aggregate (both theory and practical) shall be declared to have passed in Second Class.

## 14. AWARD OF DEGREE

The Degree will be awarded only after successful completion of the internship. The BASLP degree is awarded based on the aggregate of the marks of First, Second, Third, Fourth, Fifth and Sixth semester examinations.

The candidate securing 7 CGPA (75%) or above in the aggregate of all six semesters shall be declared to have passed in First class with Distinction.

The candidate securing 4 CGPA (60%) or above but less than with 7 CGPA (75%) of the aggregate of all six semesters shall be declared to have passed in First Class.

The candidate securing 3 CGPA (50%) or above but less than 4 CGPA (60%) of the aggregate of all six semesters shall be declared to have passed in Second Class.

## 15. AWARD OF RANKS

Ranks shall be awarded on the basis of the total marks secured in the First, Second, Third, Fourth, Fifth and Sixth semester examinations.

Candidates who fail in one or more subjects during the course shall not be eligible for award of ranks.

The candidates should have completed the course in the prescribed (minimum 4 years) number of years.

**16. INTERNAL ASSESSMENT****A. Theory**

Twenty percent of the marks (20 marks) for each theory paper shall be given on the basis of internal assessment as follows:

Three sessional examinations (pre-midterm, midterm and post midterm), evenly spaced shall be conducted during the academic semester. Marks shall be given on the basis of the marks scored in these examinations as follows:

Pre-mid term — 20%

Mid Term — 50%

Post Midterm — 30%

**B. Practical Examinations:****(a) First Semester**

The maximum marks for clinical practicum examination for first semester shall be 50. Twenty five marks shall be awarded for Internal Assessment (IA) and the remaining 25 marks shall be awarded based on an internal viva voce examination conducted by two internal examiners.

**(b) Second Semester**

The maximum marks for the Second Semester clinical practicum examination will be 50. Twenty five marks shall be awarded based on combined Comprehensive Viva-Voce Examination for first and second semester together conducted by one external and one internal examiners.

The remaining 25 marks shall be awarded based on internal Viva-Voce examination and Internal Assessment. Ten marks shall be awarded for Internal Assessment (IA) and the remaining 15 marks shall be awarded based on internal Viva-Voce Examination conducted by two internal examiners.

**(c) Third Semester**

The maximum marks for clinical practicum examination for third semester shall be 50. Twenty Five marks shall be awarded for Internal Assessment (IA) and the remaining 25 marks shall be awarded based on internal Viva-Voce Examination conducted by two internal examiners.

**(d) Fourth Semester**

The maximum marks for the Fourth Semester Clinical Practicum Examination will be 50. Twenty five marks shall be awarded based on combined Comprehensive Viva-Voce Examination for third and fourth semester together conducted by one external and one internal examiner.

The remaining 25 marks shall be awarded based on internal viva voce examination and Internal Assessment. Ten marks shall be awarded for Internal Assessment (IA) and the remaining 15 marks shall be awarded based on internal viva voce examination conducted by two internal examiners.

**(e) Fifth Semester**

The maximum marks for clinical practicum examination for fifth semester shall be 50. Twenty five marks shall be awarded for Internal Assessment (IA) and the remaining 25 marks shall be awarded based on an internal Viva-Voce Examination conducted by two internal examiners.

**(f) Sixth Semester**

The maximum marks for the Sixth Semester Clinical Practicum Examination be 50. Twenty five marks shall be awarded based on combined Comprehensive Viva-Voce Examination for fifth and sixth semester together conducted by one external and one internal examiner.

The remaining 25 marks shall be awarded based on internal viva voce examination and Internal Assessment. Ten marks shall be awarded for Internal Assessment (IA) and the remaining 15 marks shall be awarded based on internal viva voce examination conducted by two internal examiners.

## BASLP—COURSE PATTERN AND PATTERN OF EXAMINATION

**1st Semester**

<i>Codes/ Paper No.</i>	<i>Paper Title</i>	<i>Teaching hours per week (Minimum)</i>	<i>Teaching hours per Semester (Minimum)</i>	<i>Exam Duration</i>	<i>Exam Marks</i>	<i>I.A. Marks</i>	<i>Total</i>	<i>Credits</i>
B1.1	Introduction to Human Communication	4	64	3	80	20	100	4
B1.2	Introduction to Hearing & Hearing Sciences	4	64	3	80	20	100	4
B1.3	Speech, Language diagnostics and Thearapeutics	4	64	3	80	20	100	4
B1.4	Basic Medical Sciences related to Speech & Hearing	4	64	3	80	20	100	4
B1.5	Clinical Practicum							
	(a) Speech—Language Pathology	12	192	..	..	50	50	3
	(b) Audiology	12	192	..	..	50	50	3
Total		40	640	12	320	180	500	22

**2nd Semester**

<i>Codes/ Paper No.</i>	<i>Paper Title</i>	<i>Teaching hours per week (Minimum)</i>	<i>Teaching hours per Semester (Minimum)</i>	<i>Exam Duration</i>	<i>Exam Marks</i>	<i>I.A. Marks</i>	<i>Total</i>	<i>Credits</i>
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
B2.1	Speech—Language Development & Disorders	4	64	3	80	20	100	4
B2.2	Introduction to Audiology & Auditory Tests	4	64	3	80	20	100	4
B2.3	Psychology related to Speech & Hearing	4	64	3	80	20	100	4
B2.4	Management of the Hearing Impaired	4	64	3	80	20	100	4

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
B2.5	Clinical Practicum							
	(a) Speech—Language Pathology	12	192	..	25	25	50	3
	(b) Audiology	12	192	..	25	25	50	3
B2.6	Computer Fundamentals	4	64	3	80	20	..	..
	Total	40	640	12	320	180	500	22

**3rd Semester**

<i>Codes/ Paper No.</i>	<i>Paper Title</i>	<i>Teaching hours per week (Minimum)</i>	<i>Teaching hours per Semester (Minimum)</i>	<i>Exam Duration</i>	<i>Exam Marks</i>	<i>I.A. Marks</i>	<i>Total</i>	<i>Credits</i>
B3.1	Articulation & Phonological Disorders	4	64	3	80	20	100	4
B3.2	Maxillofacial Anomalies	4	64	3	80	20	100	4
B3.3	Diagnostic Audiology Part I	4	64	3	80	20	100	4
B3.4	Rehabilitative Audiology	4	64	3	80	20	100	4
B3.5	Clinical Practicum							
	(a) Speech—Language Pathology	12	192	..	..	50	50	4
	(b) Audiology	12	192	..	..	50	50	4
B3.6	Indian Constitution	4	64	3	80	20	..	..
	Total	40	640	12	320	180	500	24

**4th Semester**

<i>Codes/ Paper No.</i>	<i>Paper Title</i>	<i>Teaching hours per week (Minimum)</i>	<i>Teaching hours per Semester (Minimum)</i>	<i>Exam Duration</i>	<i>Exam Marks</i>	<i>I.A. Marks</i>	<i>Total</i>	<i>Credits</i>
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
B4.1	Voice Laryngectomy	4	64	3	80	20	100	4

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
B4.2	Motor Speech Disorders in Children	4	64	3	80	20	100	4
B4.3	Diagnostic Audiology: Part 2	4	64	3	80	20	100	4
B4.4	Paediatric Audiology	4	64	3	80	20	100	4
B4.5	Clinical Practicum							
	(a) Speech-Language Pathology	12	192	..	25	25	50	4
	(b) Audiology	12	192	..	25	25	50	4
B4.6	Environmental studies	4	64	3	80	20	..	..
	Total	40	640	12	320	180	500	24

**5th Semester**

<i>Codes/ Paper No.</i>	<i>Paper Title</i>	<i>Teaching hours per week (Minimum)</i>	<i>Teaching hours per Semester (Minimum)</i>	<i>Exam Duration</i>	<i>Exam Marks</i>	<i>I.A. Marks</i>	<i>Total</i>	<i>Credits</i>
B5.1	Fluency & its Disorders	4	64	3	80	20	100	4
B5.2	Motor Speech Disorders in Adults	4	64	3	80	20	100	4
B5.3	Technology & Amplification Devices for persons with Hearing Impairment	4	64	3	80	20	100	4
B5.4	Professional Practices in Speech, Language & Hearing including Community Work	4	64	3	80	20	100	4
B5.5	Clinical Practicum							
	(a) Speech-Language Pathology	12	192	..	..	50	50	4
	(b) Audiology	12	192	..	..	50	50	4
	Total	40	640	12	320	180	500	24

**6th Semester**

<i>Codes/ Paper No.</i>	<i>Paper Title</i>	<i>Teaching hours per week (Minimum)</i>	<i>Teaching hours per Semester (Minimum)</i>	<i>Exam Duration</i>	<i>Exam Marks</i>	<i>IA Marks</i>	<i>Total</i>	<i>Credits</i>
B6.1	Neurogenic Language Disorders in Adults	4	64	3	80	20	100	4
B6.2	Noise Measurements & Hearing Conservation	4	64	3	80	20	100	4
B6.3	Basic Statistics	4	64	3	80	20	100	4
B6.4	Scientific Enquiry in Audiology & Speech Language pathology	4	64	3	80	20	100	4
B6.5	Clinical Practicum							
	(a) Speech-Language Pathology	12	192	..	25	25	50	4
	(b) Audiology	12	192	..	25	25	50	4
Total		40	640	12	320	180	500	24

The above amendment to the Regulations for the Bachelor in Audiology and Speech Language Pathology Degree Course (BASLP) to be implemented from 2010 admissions was laid before the senate at its meeting held on 23rd March 2011 as envisaged under section 39(1) of the Kerala University Act, 1974.

(2)

No. Acad.L/Ord/2436/2010.

20th May 2011

**AMENDMENT TO THE KERALA UNIVERSITY FIRST ORDINANCES, 1978.**

In exercise of the powers conferred on the Syndicate by virtue of Section 36 of the Kerala University Act 1974, the Syndicate at its meeting held on 31-10-2009 has made the following amendments to the Kerala University First Ordinances, 1978.

**Amendment No. 220**

“That, in Chapter IV-‘Levy of Fees by University’ under the heading 1.B—‘Fee for Research Degrees’ in item (b)—‘for submission of Thesis’ the entries (ii) and (iii) be substituted by the following.

- |     |       |                               |   |       |
|-----|-------|-------------------------------|---|-------|
| (b) | (ii)  | D.Sc., D. Litt                | — | 4,500 |
|     | (iii) | M.Sc. Engineering by Research | — | 3,500 |



**Amendment No. 221**

"That, in Chapter IV.—'Levy of Fees by the University' under the heading 1.B—'Fee for Research Degree' in item a (x) — Submission of Thesis' the entries be substituted by the following :

First six months	—	3,500
After six months and within nine months	—	A fine of 1,500
Next three months	—	Additional fee of 3,000
After one year and within one and half year (18 months maximum)	—	A Revised panel has to be submitted with a fine of 4,000

The above amendment to the Kerala University First Ordinances, 1978 was considered and adopted by the Senate at its meeting held on 23rd March 2011, as envisaged under section 37 (1) of the Kerala University Act, 1974.

(3)

No. Acad.L/R/2450/2011.

21st May 2011.

**AMENDMENT TO THE REGULATIONS REGARDING MBBS CURRICULUM FOR 2009 ADMISSION ELIGIBILITY FOR MINIMUM PASS FOR INTERNAL ASSESSMENT/PRACTICALS/ VIVA-VOCE AND EXTERNAL EXAMINATIONS**

The Academic Council at its meeting held on 22-11-2010 ratified the auction taken by the Vice Chancellor in having approved the amendment to the regulations to the MBBS Curriculum for 2009 admissions regarding eligibility for minimum pass for Internal Assessment/Practical/Viva voce and external examinations as recommended by the Board of studies as its meeting held on 17-6-2010.

**Amendment No. 1**

"That, in the Curriculum for MBBS 2009 Admission, Section I—Rules and Regulations. Learning objectives under the heading 'General Guidelines, para 3 be substituted as' Students must secure at least 35% of the total marks fixed for internal assessment in the particular subject in order to be eligible to appear in Final University Examination of that subject."

**Amendment No. 2**

"That, in the Curriculum for MBBS 2009 Admission, Section I—Rules and Regulations. Learning objectives under the heading 'General Guidelines—para 4 be substituted as' to be declared successful, a candidate must secure 50% marks in theory and viva put together and 50% marks in practicals".

**Amendment No. 3**

"That, in the Curriculum for MBBS 2009 Admission Section I—Examination Regulations 1(b) internal Assessment in the First para, last Sentence be substituted as "the candidate must secure atleast 35% marks of the total marks fixed fo internal assessment (theory and practical)."

**Amendment No. 4**

"That, in the Curriculum for MBBS 2009 Admission, Degree Programme, Section I—Examination Regulations 1 (b) internal assessment, the 4th and 5th paras be deleted."

**Amendment No. 5**

"That, in the Curriculum for MBBS 2009 Admission, Degree Programme, Section I—Examination Regulations, 2— University Examination, in example, 'Anatomy' the following be substituted.

Total	200 Marks		
Theory Paper I	50 Marks	} 120 Marks	140 Marks
Paper II	50 Marks		
Internal Assessment	20 Marks		
Viva		20 Marks	
Practical Uni. Exam		40 Mrks	60 Marks
Internal Assessment marks		20 Marks	
<b>Grand Total</b>			<u>200 Marks</u>

Out of a total of 140 Marks for theory, a student should score a minimum of 70 marks in aggregate and out of 60

marks for practicals, a separate minimum of 30 is essential for a pass”

#### Amendment No. 6

“That, in the Curriculum for MBBS 2009 admission, Degree Programme, Section I—Examination Regulations 2— University Examinations—eligibility for the appear for the University Examination, the First para be substituted as “a student who secure a minimum of 35% marks for internal assessment is qualified to appear for University Examinations provided he/she satisfies that percentage of attendance requirement as said already see table for resume of marks in other discipline.”

#### Amendment No. 7

“That, in the Curriculum for MBBS 2009 admission—Section I—Rules and Regulations VI (3) the following be amended in the last sentence as “to dispense with the practice of chance stipulation for the MBBS Degree Programme with effect from 2007 admission in line with the stipulations adopted by the Medical Council of India.”

#### Amendment No. 8

“That, in the Curriculum for MBBS 2009 admission Degree Programme, Section I Examination Regulations —Resume of Marks for different discipline, Syllabus, patterns of examination—Theory and Practical and viva be substituted as in UG curriculum 2008 including Pharmacy in Pharmacology.

REGIME OF MARKS FOR DIFFERENT DISCIPLINES (as in 2008)

<i>Sl. No.</i>	<i>Subject</i>	<i>Theory Paper I</i>	<i>Theory Paper II</i>	<i>IA</i>	<i>Oral</i>	<i>Total T+IA+O</i>	<i>Practical</i>	<i>IA</i>	<i>Total</i>	<i>Subject Total</i>
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
1	Anatomy	50	50	20	20	140	40	20	60	200
2	Physiology	50	50	20	20	140	40	20	60	200
3	Biochemistry	50	50	20	20	140	40	20	60	200
4	Pharmacology	40	40	15	15	110	25	15	40	150
5	Pathology	40	40	15	15	110	25	15	40	150
6	Microbiology	40	40	15	15	110	25	15	40	150
7	Forensic Medicine	40	..	10	10	60	30	10	40	100
8	Ophthalmology	40	..	10	10	60	30	10	40	100
9	Otorhinolaryngology	40	..	10	10	60	30	10	40	100
10	Community Medicine	60	60	20	10	150	30	20	50	200
11	General Medicine	60	60	30	20	170	100	30	130	300
12	General Surgery	60	60	30	20	170	100	30	130	300
13	Obstetrics & Gynaecology	40	40	20	30	130	50	20	70	200
14	Paediatrics	40	..	10	10	60	30	10	40	100

*Note:* Internal Assessment Examinations may be conducted as per the discretion of the Departments (minimum of one examination per semester) without violating MCI norms. Internal assessment in Medicine and Surgery will include subspecialties also.

#### Amendment No. 9

“That, in the Curriculum for MBBS 2009 admission, Degree Programme, Section III Internship—4-Time Distribution be substituted as follows as in 2008 curriculum

#### INTERNSHIP TIME DISTRIBUTION

INTERNSHIP TRAINING PROGRAM WILL INCLUDE COMPULSORY

Medicine	—	(a)	2 Months Medicine
		(b)	15 days Ophthalmology
Surgery	—	(a)	2 months surgery including casualty
		(b)	15 days Orthopedics
		(c)	15 days ENT

Obstetrics & Gynaecology	—	(a)	2 Months Obstetrics & Gynaecology including family welfare planning
		(b)	1 month Paediatrics
Community Medicine	—	(a)	Three months Community Medicine
Elective	—		15 days Radiology/Dermatology/Forensic Medicine/Psychiatry/Blood bank/Anesthesia/Physical medicine/Resp. Med.

The above amendment to the MBBS curriculum 2009 admission regarding eligibility for minimum pass for internal assessment/ Practicals/Viva voce and external examinations was laid before the Senate at its meeting held on 23rd March 2011 for adoption as envisaged under Section 39 (1) of the Kerala University Act, 1974.

(4)

No. Acad.L/R/2447/2011.

21st May 2011.

### REGULATIONS RELATING TO M.Sc. (MLT) DEGREE PROGRAMME (2010 ADMISSIONS)

The Academic Council at its meeting held on 25-5-2010 ratified the auction taken by the Vice Chancellor in having approved the regulations relating to M.Sc. (MLT) Degree Programme for 2010 admissions as recommended by the meeting of the faculty of Medicine at its meeting held on 19-1-2010.

#### M.Sc.(MLT) MICROBIOLOGY (2010 ADMISSION ONWARDS)-REGULATIONS, SCHEME AND SYLLABUS

##### Scope and Objective

Post Graduate program in Medical Laboratory Technology-Microbiology gives opportunity for specialized study in the field of Laboratory Technology for B.Sc. (MLT) graduates Candidates who successfully complete M.Sc. (MLT) course may obtain jobs as

- \* Specialized technologist in Microbiology or supervisors of clinical laboratories in Hospitals.
- \* Laboratory Scientists in Biomedical and Research Institutes.
- \* Teachers in Training Institutes of Medical Laboratory Technology.

##### Eligibility for Admission

(a) Candidates who have passed the B.Sc.(MLT) degree of any of the Universities in Kerala or any other Universities recognized by the University of Kerala with a minimum of 50% marks for all the years of B.Sc.(MLT) examination taken together will be eligible for admission. Candidates who have passed their B.Sc.(MLT) course from Universities outside Kerala will be eligible for admission only if their qualifying examination is recognized by the University of Kerala on the date of counseling by the Director of Medical Education.

(b) Only Indian citizens of Kerala origin are eligible for admission to the course. They have to provide the certificate along with the application form.

##### Selection for Admission

Selection of candidates except for the seats for service quota will be made through an entrance examination conducted by the Government or by any agencies recruited by the Government of Kerala.

##### Duration of the programme

Course of study including thesis work shall be for a period of two years.

##### Hour distribution for each subject

Paper	Subject	Theory hrs.	Parctical hrs.	Clinical posting hrs.	Total hrs.
(1)	(2)	(3)	(4)	(5)	(6)
<b>First Year</b>					
Paper I	General Microbiology	100 hrs			

(1)	(2)	(3)	(4)	(5)	(6)
Paper II	Systematic and Diagnostic Medical Microbiology	100 hrs.	480 hrs.	440 hrs.	1320 hrs.
Paper III	Medical Parasitology and Mycology	100 hrs.			
Paper IV	Basic and Applied Immunology	100 hrs.			
<b>Second Year</b>					
Paper V	Medical Virology	100 hrs.			
Paper VI	Applied Medical Microbiology and Recent Advances	100 hrs.	240 hrs.	220 hrs.	660 hrs.
Paper VII	Thesis				660 hrs.
Total	First and Second year including thesis				2640 hrs.

## M.Sc. (MLT)—MICROBIOLOGY

## SCHEME OF EXAMINATION

<i>Year</i>	<i>Paper</i>	<i>Maximum Marks</i>	<i>Minimum Marks</i>
(1)	(2)	(3)	(4)
Ist year	<b>Paper I</b>		
(Part I)	General Microbiology	100	50
	Internal Assessment	50	..
	Total	<b>150</b>	<b>75</b>
	<b>Paper II</b>		
	Systematic and Diagnostic Medical Microbiology	100	50
	Internal Assessment	50	..
	Total	<b>150</b>	<b>75</b>
	<b>Paper III</b>		
	Medical Parasitology and Mycology	100	50
	Internal Assessment	50	..
	Total	<b>150</b>	<b>75</b>
	<b>Paper IV</b>		
	Basic and Applied Immunology	100	50
	Internal Assessment	50	..
	Total	<b>150</b>	<b>75</b>
	Practical	300	125
	Viva Voce	100	..
	Total	<b>400</b>	<b>200</b>
	Total for Part I	<b>1000</b>	<b>500</b>

(1)	(2)	(3)	(4)
2nd year	<b>Paper V</b>		
(Part II)	Medical Virology	100	50
	Internal Assessment	50	..
	Total	<b>150</b>	<b>75</b>
	<b>Paper VI</b>		
	Applied Medical Microbiology and Recent Advances	100	50
	Internal Assessment	50	..
	Total	<b>150</b>	<b>75</b>
	Practical	150	50
	Viva Voce	50	..
	Total	<b>200</b>	<b>100</b>
	Total	<b>500</b>	<b>250</b>
	Thesis	500	250
	Total for Part II	<b>1000</b>	<b>500</b>
	Grand Total	<b>2000</b>	<b>1000</b>

### Examinations

Duration of theory examination for all the papers will be for three hours.

Practical and Viva Voce examinations for M. Sc. (MLT)-Microbiology be conducted in three consecutive days (6×3=18 hrs.)

Internal Assessment will be based on assessment examinations, projects, presentation of seminars and journal clubs and work assessment during clinical postings and tutorials.

### Examiners

There shall be two examiners for practical and viva-voce, one internal and other external. External examiner should be a regular teaching faculty of Medical Laboratory technology under another University/Institution where similar course is being conducted. Theory paper may be valued by external and internal examiners together.

### Thesis

Submission of a Thesis work is a compulsory requirement for the M. Sc. (MLT)-Microbiology course. Each student can choose a topic for the thesis which would be approved by his/her supervising teacher. The supervising Teacher should have Post P. G. teaching experience of minimum 5 years in the concerned subject. The student should be under the guidance of the supervising staff, carry out the work on the topic selected and prepare a thesis including results and references. The thesis duly certified by the supervising staff and head of the department of MLT should be submitted to the University within the prescribed time before registering for IInd year examination. The evaluation of the thesis will be on the basis of the presentation and defense. Thesis evaluation will be as detailed below.

Project Content	250
Presentation	100
Defense Viva	100
Continuous Evaluation	50
Total	500

Thesis evaluation will be conducted by the internal and external examiners together, appointed by the University.

### Failed Candidates

There shall be no supplementary examinations. Candidates failing to secure minimum pass in any paper (theory or practical) shall reappear for that paper/practical in the subsequent examinations. Students failed in practical examination shall reappear for viva-voce also.

Students scoring less than 50% (250 out of 500) marks in thesis work shall be required to resubmit and reappear for thesis evaluation. Students will be permitted to appear for project evaluation only after appearing for all the theory and practical examinations.

**Grading and Ranking**

- \* Pass : 50% & above
- \* Ist Class pass : 65% & above
- \* Ist Class with distinction : 75% & above

Ranking will be confined to only those students qualify the examinations in first attempt.

**M.Sc. (MLT) BIOCHEMISTRY****REGULATIONS, SCHEME AND SYLLABUS****Scope and Objective**

Post Graduate program in Medical Laboratory Technology-Biochemistry gives opportunity for specialized study in the field of Laboratory Technology for B.Sc. (MLT) graduates. Candidates who successfully complete M.Sc.(MLT) course may obtain jobs as.

- \* Specialized technologist in Biochemistry or supervisors of clinical laboratories in Hospitals.
- \* Laboratory Scientists in Biomedical and Research Institutes.
- \* Teachers in Training Institutes of Medical Laboratory Technology.

**Eligibility for Admission**

(a) Candidates who have passed the B.Sc.(MLT) degree of any of the Universities in Kerala or any other Universities recognized by the University of Kerala with a minimum of 50% marks for all the years of B.Sc.(MLT) examination taken together will be eligible for admission. Candidates who have passed their B.Sc.(MLT) course from Universities outside Kerala will be eligible for admission only if their qualifying examination is recognized by the University of Kerala on the date of counseling by the Director of Medical Education.

(b) Only Indian citizens of Kerala origin are eligible for admission to the course. They have to provide the certificate along with the application form.

**Selection for Admission**

Selection of candidates except for the seats for service quota will be made through an entrance examination conducted by the Government or by any agencies recruited by the Government of Kerala.

**Duration of the programme**

Course of study including thesis work shall be for a period of two years.

**Hour distribution for each subject**

<i>Paper</i>	<i>Subject</i>	<i>Theory hrs.</i>	<i>Parctical hrs.</i>	<i>Clinical posting hrs.</i>	<i>Total hrs.</i>
(1)	(2)	(3)	(4)	(5)	(6)
Paper I	General Biochemistry & Chemistry of Biomolecules	100 hrs.			
Paper II	Enzymology Metabolism & Inborn Errors of metabolism	100 hrs.			
Paper III	Vitamins & Hormones	100 hrs.	480 hrs.	440 hrs.	1320 hrs.

(1)	(2)	(3)	(4)	(5)	(6)
Paper IV	General Physiology, Nutrition, Mineral metabolism & Immunology	100 hrs.			
<b>Second Year</b>					
Paper V	Molecular Biology & Genetics	100 hrs.	240 hrs.	220 hrs.	660 hrs.
Paper VI	Diagnostic Biochemistry, Biostatistics, QC, Automation & Laboratory management	100 hrs.			
Paper VII	Thesis				660 hrs.
Total	First and Second year including thesis				2640 hrs.

## M.SC. (MLT)—BIOCHEMISTRY

## SCHEME OF EXAMINATION

<i>Year</i>	<i>Paper-Theory</i>	<i>Maximum Marks</i>	<i>Minimum Marks</i>
(1)	(2)	(3)	(4)
Ist year	<b>Paper I</b>		
(Part I)	General Biochemistry & Chemistry of Biomolecules	100	50
	Internal Assessment	50	..
	Total	<b>150</b>	<b>75</b>
	<b>Paper II</b>		
	Enzymology, Metabolism and Inborn errors of metabolism	100	50
	Internal Assessment	50	..
	Total	<b>150</b>	<b>75</b>
	<b>Paper III</b>		
	Vitamins & Hormones	100	50
	Internal Assessment	50	..
	Total	<b>150</b>	<b>75</b>
	<b>Paper IV</b>		
	General Physiology, Nutrition Mineral Metabolism & Immunology	100	50
	Internal Assessment	50	..
	Total	<b>150</b>	<b>75</b>
	Practical	300	150
	Viva Voce	100	..
	Total	<b>400</b>	<b>200</b>
	Total for Part I	<b>1000</b>	<b>500</b>

(1)	(2)	(3)	(4)
2nd year	<b>Paper V</b>		
(Part II)	Molecular Biology & Genetics	100	50
	Internal Assessment	50	..
	Total	<b>150</b>	<b>75</b>
	<b>Paper VI</b>		
	Diagnostic Biochemistry, Biostatics, QC, Automation and Laboratory Management	100	50
	Internal Assessment	50	..
	Total	<b>150</b>	<b>75</b>
	<b>Paper VII Thesis</b>	500	250
	Practical	150	75
	Viva Voce	50	..
	Total	<b>200</b>	<b>100</b>
	Thesis	500	250
	Total for Part II	<b>1000</b>	<b>500</b>
	Grand Total	<b>2000</b>	<b>1000</b>

### Examinations

Duration of theory examination for all the papers will be for three hours.

Practical and Viva Voce examinations for M. Sc. (MLT)—Biochemistry be conducted in three consecutive days (6×3=18 hrs.) Internal Assessment will be based on assessment examinations, projects, presentation of seminars and journal clubs and work assessment during clinical postings and tutorials.

### Examiners

There shall be two examiners for practical and viva-voce, one internal and other external. External examiner should be a regular teaching faculty of Medical Laboratory Technology under another University/Institution where similar course is being conducted. Theory paper may be valued by external and internal examiners together.

### Thesis

Submission of a thesis work is a compulsory requirement for the M. Sc. (MLT)- Biochemistry Course. Each student can choose a topic for the thesis which would be approved by his/her supervising teacher. The supervising teacher should have Post P. G. teaching experience of minimum 5 years in the concerned subject. The student should be under the guidance of the supervising staff, carry out the work on the topic selected and prepare a thesis including results and references. The thesis duly certified by the supervising staff and head of the department of MLT should be submitted to the University within the prescribed time before registering for IInd year examination. The evaluation of the thesis will be on the basis of the presentation and defense. Thesis evaluation will be as detailed below.

Project Content	250
Presentation	100
Defense Viva	100
Continuous Evaluation	50
Total	500

Thesis evaluation will be conducted by the internal and external examiners together, appointed by the University.

### Failed Candidates

There shall be no supplementary examinations. Candidates failing to secure minimum pass in any paper (theory or practical) shall reappear for that paper/practical in the subsequent examinations. Students failed in practical examination shall reappear for viva-voce also.

Students scoring less than 50% (250 out of 500) marks in thesis work shall be required to resubmit and reappear for thesis evaluation. Students will be permitted to appear for project evaluation only after appearing for all the theory and practical examinations.

### Grading and Ranking

*Pass	:	50% & above
*Ist Class pass	:	65% & above
*Ist Class with distinction	:	75% & above

Ranking will be confined to only those students qualify the examinations in first attempt.



**M.Sc. (MLT) PATHOLOGY-**  
**REGULATIONS, SCHEME AND SYLLABUS**

**Scope and Objective**

Post Graduate Program in Medical Laboratory Technology-Pathology gives opportunity for specialized study in the field of Laboratory Technology for B.Sc. (MLT) Graduates. Candidates who successfully complete M.Sc. (MLT) Pathology may obtain jobs as

- \* Specialized technologist in Pathology or supervisors of clinical laboratories in hospitals.
- \* Laboratory Scientists in Biomedical and Research Institutes.
- \* Teachers in Training Institutes of Medical Laboratory Technology.

**Eligibility for Admission**

(a) Candidates who have passed the B.Sc.(MLT) degree of any of the Universities in Kerala or any other Universities recognized by the University of Kerala with a minimum of 50% marks for all the years of B.Sc.(MLT) examination taken together will be eligible for admission. Candidates who have passed their B.Sc.(MLT) course from Universities outside Kerala will be eligible for admission only if their qualifying examination is recognized by the University of Kerala on the date of counseling by the Director of Medical Education.

(b) Only Indian citizens of Kerala origin are eligible for admission to the course. They have to provide the certificate along with the application form.

**Selection for Admission**

Selection of candidates except for the seats for service quota will be made through an entrance examination conducted by the Government or by any agencies recruited by the Government of Kerala.

**Duration of the programme**

Course of study including thesis work shall be for a period of two years.

**Hour distribution for each subject**

<i>Paper</i>	<i>Subject</i>	<i>Theory hrs.</i>	<i>Parctical hrs.</i>	<i>Clinical posting hrs.</i>	<i>Total hrs.</i>
<b>First Year</b>					
Paper I	Haematology	100 hrs.			
Paper II	Histopathology	100 hrs.	480 hrs.	440 hrs.	1320 hrs.
Paper III	Clinical Pathology & Cytogenetics	100 hrs.			
Paper IV	Cytology	100 hrs.			
<b>Second Year</b>					
Paper V	Blood Banking & Immunopathology	100 hrs.			
Paper VI	Laboratory Organization QC and Recent Advances in Pathology	100 hrs.	240 hrs.	220 hrs.	660 hrs.
Pepar VII	Thesis				660 hrs.
Total	First and Second year including thesis				2640 hrs.

## M.Sc. (MLT)—PATHOLOGY

## SCHEME OF EXAMINATION

<i>Year</i>	<i>Paper</i>	<i>Maximum Marks</i>	<i>Minimum Marks</i>
1st year (Part I)	<b>Paper I</b>		
	Haematology	100	50
	Internal Assessment	50	..
	Total	<b>150</b>	<b>75</b>
	<b>Paper II</b>		
	Histopathology	100	50
	Internal Assessment	50	..
	Total	<b>150</b>	<b>75</b>
	<b>Paper III</b>		
	Clinical Pathology & Cytogenetics	100	50
	Internal Assessment	50	..
	Total	<b>150</b>	<b>75</b>
	<b>Paper IV</b>		
	Cytology	100	50
	Internal Assessment	50	..
	Total	<b>150</b>	<b>75</b>
2nd year (Part II)	Practical	300	150
	Viva Voce	100	..
	Total	<b>400</b>	<b>200</b>
	Total for Part I	<b>1000</b>	<b>500</b>
	<b>Paper V</b>		
	Blood Banking & Immunopathology	100	50
	Internal Assessment	50	..
	Total	<b>150</b>	<b>75</b>
	<b>Paper VI</b>		
	Laboratory Organization QC and Recent Advances in Pathology	100	50
	Internal Assessment	50	..
	Total	<b>150</b>	<b>75</b>
	Practical	150	75
	Viva Voce	50	..
	Total	<b>200</b>	<b>100</b>
	Total	<b>500</b>	<b>250</b>
	<b>Paper VII Thesis</b>	500	250
	Total for Part II	<b>1000</b>	<b>500</b>
	Grand Total	<b>2000</b>	<b>1000</b>

**Examinations**

Duration of theory examination for all the papers will be for three hours.

Practical and Viva Voce examinations for M.Sc. (MLT) Pathology be conducted in two consecutive days (6×2=12 hrs.). Internal Assessment will be based on assessment examinations, projects, presentation of seminars and journal clubs and work assessment during clinical postings and tutorials.

**Examiners**

There shall be two examiners for practical and viva-voce, one internal and other external. External examiner should be a regular teaching faculty of Medical Laboratory technology under another University where similar course is being conducted. Theory paper may be valued by external and internal examiners together.

**Thesis**

Submission of a Thesis work is a compulsory requirement for the M. Sc. (MLT)-Pathology course. Each student can choose a topic for the thesis which would be approved by his/her supervising teacher. The supervising teacher should have Post P. G. teaching experience of minimum 5 years in the concerned subject. The student should be under the guidance of the supervising staff, carry out the work on the topic selected and prepare a thesis including results and references. The thesis duly certified by the supervising staff and head of the department of MLT should be submitted to the University within the prescribed time before registering for IInd year examination. The evaluation of the thesis will be on the basis of the presentation and defense. Thesis evaluation will be as detailed below:

Project Content	250
Presentation	100
Defense Viva	100
Continuous Evaluation	50
Total	<u>500</u>

Project evaluation will be conducted by the internal and external examiners together, appointed by the University.

**Failed Candidates**

There shall be no supplementary examinations. Candidates failing to secure minimum pass in any paper (theory or practical) shall reappear for that paper/practical in the subsequent examinations. Students failed in practical examination shall reappear for viva-voce also.

Students scoring less than 50% (250 out of 500) marks in Project work shall be required to resubmit and reappear for Project evaluation. Students will be permitted to appear for project evaluation only after appearing for all the theory and practical examinations.

**Grading and Ranking**

*Pass	:	50% & above
*Ist Class pass	:	65% & above
*Ist Class with distinction	:	75% & above

Ranking will be confined to only those students qualify the examinations in first attempt.

The above Regulations relating to M.Sc. (MLT) Degree Programme for 2010 admissions was laid before the Senate at its meeting held on 23rd March 2011 and the House considered and adopted the amendment to the above Regulations as envisaged under Section 39(1) of the Kerala University Act, 1974.

(5)

No. Acad. L/R/2451/2011.

21st May 2011.

**AMENDMENT TO REGULATIONS RELATING TO RECOGNITION OF DEGREES AWARDED BY UNIVERSITIES  
WHICH ARE NOT MEMBERS OF THE ASSOCIATION OF INDIAN UNIVERSITIES (AIU)**

The Academic Council at its meeting held on 25-5-2010 approved the following proposal for amending the University Regulations with regard to the recognition of courses offered by Universities/Institutions which are not members of the AIU as approved by the Syndicate at its meeting held on 25-2-2010.

**Amendment**

“That, in Chapter IV-Norms for granting Recognition/Equivalence to Examinations, Degrees etc., of Universities or Bodies of Foreign Countries of the Regulations relating to recognition of Examinations and Degrees of other Universities; the following be incorporated to Sub-Clause IV to Clause V which will read as.

*“In all other cases including Degrees obtained from Universities which are not members of the AIU (Association of Indian Universities), recognition should be granted only on the recommendation of the Dean and Chairman of the Board of Studies concerned”.*

The above amendment to Regulations relating to recognition of Degrees awarded by Universities which are not members of the AIU was laid before the Senate and adopted by the House at its meeting held on 23rd March 2011 as envisaged under Section 39(1) of the Kerala University Act, 1974.

(6)

No. Acad. L/Ord/2466/2010.

25th May 2011.

In exercise of the powers conferred on the Syndicate by virtue of Section 36 of the Kerala University Act 1974, the Syndicate at its meeting held on 25-2-2010 has made the following amendment to the Kerala University First Ordinances, 1978.

**Amendment No. 223**

"That, the following be added as serial No. 109A under 'Engineering Unit' in the schedule given to Ordinance 3 to Chapter XVII of the Kerala University First Ordinances 1978"

Sl. No.	Designation	Scale of pay	Age	Qualifications		Method of Recruitment
				General	Technical	
(1)	(2)	(3)	(4)	(5)	(6)	(7)
1	Assistant Engineer (Mechanical)	11070-18450	Not more than 35 years (Relaxation as per rules)	Bachelors Degree in Engineering (Mechanical or equivalent)	3 years experience in maintenance and repair of Motor Vehicles/Automobile Assembling Units	By direct recruitment on the basis of merit by inviting applications by advertisement in the Press

The above amendment to the Kerala University First Ordinances, 1978 was laid before the Senate and was adopted at its meeting held on 23rd March 2011 as envisaged under Section 37 (1) of the Kerala University Act, 1974.

(7)

No.Acad. L/R/2449/2011.

26th May 2011.

**AMENDMENT TO THE REGULATIONS RELATING TO MASTER OF AUDIOLOGY AND SPEECH LANGUAGE PATHOLOGY DEGREE COURSE (MASLP)**

The Academic Council at its meeting held on 25th May, 2010 approved the Regulations relating to Master of Audiology and Speech Language Pathology Degree Course (MASLP) as approved by the Board of Studies in MASLP at its meeting held on 11th January 2010 and the Faculty of Medicine at its meeting held on 19th January 2010.

1. TITLE OF COURSE—Master of Audiology and Speech Language Pathology (MASLP).

2. ELIGIBILITY FOR ADMISSION

Minimum educational requirement for admission will be a degree in Bachelor in Audiology and Speech Language Pathology Course from any recognized University, or any other degree recognized by the Kerala University as equivalent thereto, with minimum 50% pass percentage required as per University norms.

3. MEDIUM OF INSTRUCTION

The medium of instruction for the course shall be English.

4. COURSE WORK

The course of study for the semesters shall include theory and practicum approved by RCI.

5. DURATION OF THE COURSE

The duration of the course will be four semesters.

## 6. ATTENDANCE

Each candidate must have minimum attendance of 80% in theory classes and 90% in clinical practicum for each semester. Failure to meet the criteria will disqualify the student from attending the University examinations of the respective semester. The candidate will have to repeat the semester, i.e. both theory and clinical practicum will have to be repeated in toto. A candidate can repeat the semester only once during the course.

## 7. EXAMINATION

There shall be semester examination conducted by the University at the end of each semester.

### (a) Theory Examinations

Each theory paper of the examinations conducted by the University will be valued by one external examiner and one internal examiner and the average of both shall be awarded to the candidate.

### (b) Practical Examinations

#### First Semester

The maximum marks for clinical practicum examination for first semester shall be 25. Ten marks shall be awarded for Internal Assessment (IA) and the remaining 15 marks shall be awarded based on an internal viva voce examination conducted by two internal examiners.

The total marks awarded will be recorded in the Second Semester Examination Mark list.

#### Second Semester

The maximum marks for the Second Semester Clinical Practicum Examination will be 75. Fifty marks shall be awarded based on combined Comprehensive Viva-Voce Examination for first and second semester together conducted by one external and one internal examiner.

The remaining 25 marks shall be awarded based on Internal Viva-Voce Examination and Internal Assessment. Ten marks shall be awarded for Internal Assessment (IA) and the remaining 15 marks shall be awarded based on internal viva-voce examination conducted by two internal examiners.

#### Third Semester

The maximum marks for clinical practicum examination for third semester shall be 25. Ten marks shall be awarded for Internal Assessment (IA) and the remaining 15 marks shall be awarded based on Internal Viva-Voce Examination conducted by two internal examiners.

The total marks awarded will be recorded in the Fourth Semester Examination Mark List.

#### Fourth Semester

The maximum marks for the Fourth Semester Clinical Practicum Examination will be 75. Fifty marks shall be awarded based on combined Comprehensive Viva-Voce Examination for third and fourth semester together conducted by one external and one internal examiner.

The remaining 25 marks shall be awarded based on Internal Viva-Voce Examination and Internal Assessment. Ten marks shall be awarded for Internal Assessment (IA) and the remaining 15 marks shall be awarded based on Internal Viva-Voce Examination conducted by two internal examiners.

### (c) Dissertation

Dissertation has to be assessed by one internal and one external examiner for 100 marks each and the average of which shall be awarded to the candidate.

The candidates shall submit the dissertation before one month of the commencement of the theory examination of that semester. Candidates who fail to submit their dissertation on or before the date stipulated shall not be permitted to appear for the final semester examination.

## 8. LETTER GRADES

For each subject in a semester, a letter grade (D, D+, C+, B, B+, A and A+) will be awarded based on the total marks obtained by the student in the Semester Examinations and Continuous Assessment (CA) put together. Each letter grade has a Grade Point (GP) as shown below.

<i>% of total marks</i>	<i>Alpha-Sign Grade</i>	<i>Grade Point (G. P.)</i>	<i>Remarks</i>
Below 40%	D	1	Failed
40% and above but less than 50%	D+	2	Passed/Failed
50% and above but less than 60%	C+	3	Passed
60% and above but less than 65%	B	4	
65% and above but less than 70%	B+	5	
70% and above but less than 75%	A	6	
75% and above	A+	7	Distinction

## 9. GRADE POINT AVERAGE AND CUMULATIVE GRADE POINT AVERAGE

Grade Point Average (GPA) for each semester is calculated based on the GP obtained by the student for each subject and the credit assigned to that subject. It is calculated as,

$$\text{GPA} = \frac{\sum \text{Credit} \times \text{GP obtained for the subject}}{\sum \text{Credit for subject}} \quad \text{or} \quad \frac{g_1c_1 + g_2c_2 + g_3c_3 + \dots}{c_1 + c_2 + c_3 + \dots}$$

Cumulative Grade Point Average (CGPA) is the average grade points obtained by the students till the end of any particular semester. CGPA is calculated in a 7-point scale as shown below.

$$\text{CGPA} = \frac{\sum \text{Credits for semester} \times \text{GPA obtained for the semester}}{\sum \text{Credits for semester}}$$

## 10. PASS MINIMUM

A candidate is declared to have passed the examination for each semester if he/she gets grade C+ with 3 GP or more (50% or more marks) for each paper (theory and practicum combined) with a separate minimum of grade D+ with 2 GP or more (40% or more marks) for each theory paper and its practicum.

For such papers having common practicum the candidate has to get Grade C+ with 3 GP or more (50% or more marks) for all theory papers and the common practicum combined with a separate minimum of grade D+ with 2GP or more (40% or more marks) for each theory paper and the common practicum.

For such papers that have no practicum the minimum marks for pass will be Grade C+ with 3 GP (50%).

## 11. AWARD OF CLASS

Class shall be awarded for each semester examinations as given below.

- Distinction:**—The candidate securing Grade A+ with 7 CGPA (75% or more marks) in aggregate (both theory and practical of all examinations) shall be declared to have passed in First Class with Distinction.
- First Class:**—The candidate securing Grade B or above with 4 or more CGPA but less than 7 CGPA (60% marks or above) in the aggregate (both theory and practical of all examinations) shall be declared to have passed in First Class.
- Second Class:**—The candidate securing grade C+ or above with 3 or more CGPA (50% marks or above), but less than Grade B (60%) with 4 CGPA of the aggregate (both theory and practical of all examinations) shall be declared to have passed in Second Class.

## 12. AWARD OF DEGREE

For awarding the MASLP degree, the aggregate of the marks of all four semester examinations will be considered.

The candidate securing Grade A+ with 7 CGPA (75%) or above in the aggregate of all four semesters shall be declared to have passed in First class with Distinction.

The candidate securing Grade B with 4 CGPA (60%) or above but less than Grade A+ 7 CGPA (75%) of the aggregate of all four semesters shall be declared to have passed in First Class.

The candidate securing Grade C+ with 3 CGPA (50%) or above but less than Grade B4 CGPA (60%) of the aggregate of all four semesters shall be declared to have passed in Second Class.

The results of the candidates who have passed the MASLP examination in the second or third attempt will be classified in second class irrespective of the % of the marks secured.

### 13. AWARD OF RANKS

Ranks shall be awarded on the basis of the total marks secured in the First, Second, Third and Fourth semester examinations.

Candidates who fail in one or more subjects during the course shall not be eligible for award of ranks.

The candidates should have completed the course in the prescribed (minimum) number of years.

### 14. INTERNAL ASSESSMENT

#### (a) Theory

Twenty marks for each theory paper shall be given on the basis of internal assessment as follows:—

- (i) 25% of the marks is allotted to attendance.
- (ii) 25% of the marks is allotted to assignments and presentations.
- (iii) 50% of the internal marks is allotted to an examination to be conducted in every semester.

#### (b) Practicum

The distribution of internal marks for clinical work is as follows:—

- (i) 60% of the internal marks is allotted to a test and viva to be conducted at the end of the semester. The evaluation shall be done jointly by a clinical supervisor and another staff deputed by the Head of the Department.
- (ii) 20% of the marks shall be allotted for records of clinical work done. Marks shall be given based on fulfillment of the requirements, organization of the content and neatness of the journal.
- (iii) 20% of the marks is shall allotted for the clinical performance of that semester. Marks shall be awarded on the basis of clinical knowledge, use of instruments, report writing/per forma keeping, involvement/creativity in clinical activity and professionalism shown during clinical postings.

## MASLP—COURSE PATTERN AND PATTERN OF EXAMINATION

### 1st Semester

<i>Codes/ paper No.</i>	<i>Paper Title</i>	<i>Teaching hours per week (Minimum)</i>	<i>Teaching hours per semester (Minimum)</i>	<i>Exam Duration</i>	<i>Exam Marks</i>	<i>I.A. Marks</i>	<i>Total</i>	<i>Credits</i>
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
SH 101	Statistics and Research Methods	4	64	3	80	20	100	4
SH 102	Technology Application and Instrumentation in Speech and Hearing	4	64	3	80	20	100	4
SH 103	Speech, Language Processing	4	64	3	80	20	100	4
SH 104	Neuro-cognition and Language	4	64	3	80	20	100	4

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
SH 105	Speech Science and Production	4	64	3	80	20	100	4
	Clinical Practicum	15	240	..	..	25*	..	..
	(a) Speech Language Pathology							
	(b) Audiology							
	Total	40	660	15	400	100	500	20

\* Marks will be included in the second semester mark list.

## 2nd Semester

<i>Codes paper No.</i>	<i>Paper Title</i>	<i>Teaching hours per week (Minimum)</i>	<i>Teaching hours per semester (Minimum)</i>	<i>Exam Duration</i>	<i>Exam Marks</i>	<i>I.A. Marks</i>	<i>Total</i>	<i>Credits</i>
SH 201	Clinical Linguistics	4	64	3	80	20	100	4
SH 202	Voice Disorders and Dysphagia	4	64	3	80	20	100	4
SH 203	Psychophysics	4	64	3	80	20	100	4
SH 204	Auditory Physiology	4	64	3	80	20	100	4
SH 205	Clinical Practicum	15	240	..	50	25+ 25*	100	4
	(a) Speech-Language Pathology							
	(b) Audiology							
	Total	31	496	12	345	130	500	20

\* Marks carried over from First semester Internal Assessment.

## 3rd Semester

<i>Codes/ Paper No.</i>	<i>Paper Title</i>	<i>Teaching hours per week (Minimum)</i>	<i>Teaching hours per semester (Minimum)</i>	<i>Exam Duration</i>	<i>Exam Marks</i>	<i>I. A. Marks</i>	<i>Total</i>	<i>Credits</i>
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
SH 301	Language Acquisition and Language Disorders in Children	4	64	3	80	20	100	4
SH 302	Clinical Phonology and Motor Speech Disorders	4	64	3	80	20	100	4



(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
SH 303	Speech Perception and its Disorders	4	64	3	80	20	100	4
SH 304	Diagnostic Audiology	4	64	3	80	20	100	4
SH 305	Hearing Devices	4	64	3	80	20	100	4
	Clinical Practicum	15	240	..	..	25*	..	...
	(a) Speech-Language Pathology							
	(b) Audiology							
	Total	40	640	12	320	180	500	20

\* Marks will be included in the fourth semester mark list.

#### 4th Semester

<i>Codes/ Paper No.</i>	<i>Paper title</i>	<i>Teaching hours per week (Minimum)</i>	<i>Teaching hours per Semester (Minimum)</i>	<i>Exam Duration</i>	<i>Exam Marks</i>	<i>I. A. Marks</i>	<i>Total</i>	<i>Credits</i>
SH 401	Adult Language Disorders	4	64	3	80	20	100	4
SH 402	Fluency Disorders	4	64	3	80	20	100	4
SH 403	Advances in Management of Persons with Hearing Disorders	4	64	3	80	20	100	4
SH 404	Dissertation	4	64	3	80	20	100	4
SH 405	Clinical Practicum	15	240	..	50	25+ 25*	100	4
	(a) Speech-Language Pathology							
	(b) Audiology							
	Total	31	496	12	345	130	500	20

\* Marks carried over from Third Semester Internal Assessment.

The above amendment to the Regulations for the master of Audiology and Speech Language Pathology Degree Course (MASLP) as approved by the Academic Council at its meeting held on 25th May 2010 was laid before the Senate and was adopted by the House at its meeting held on 23rd March 2011 as envisaged under section 39 (1) of the Kerala University Act, 1974.

(8)

No. Acad. L/Ord/2441/2011.

26th May 2011.

**AMENDMENT TO THE KERALA UNIVERSITY FIRST ORDINANCES, 1978**

In exercise of the powers conferred on the Syndicate by virtue of Section 36 of the Kerala University Act, 1974, the Syndicate at its meeting held on 31-10-2009 has made the following amendment to Kerala University First Ordinances, 1978.

**Amendment No. 222**

“That, in Chapter XVII of the Kerala University First Ordinances, 1978, Schedule 77A be substituted to read as follows”

**77A.****DEPARTMENT OF GEOLOGY**

	<i>Designation</i>	<i>Scale of Pay</i>	<i>Age</i>	<i>Qualifications</i>		<i>Method of Recruitment</i>
				<i>General</i>	<i>Technical</i>	
(1)	(2)	(3)	(4)	(5)	(6)	(7)
77A	Technical Assistant (Chemistry)	Rs. 11070-18450	Not more than 35 years	I or II Class Masters Degree with not less than 50% in the subject concerned of an Indian University. <i>Desirable:</i> (1) Ph. D. in the subject concerned (2) Two years experience in the analysis of minerals, rocks and water samples by gravimetric and instrumental methods.	..	By inviting applications and selection by interview

The above amendment to the Kerala University First Ordinances 1978 was considered and adopted by the Senate at its meeting held on 23rd March 2011 as envisaged under section 37 (1) of the Kerala University Act, 1974.

(9)

No. Acad.L/S/2334/2008.

6th June 2011.

The Senate at its meeting held on 23rd March, 2011 has passed the following amendment to the Kerala University First Statutes, 1977.

**Amendment No. 199**

“That, in Chapter 37 under the heading “University Departments”, in statute 2 (1) after item 33L, the following item shall be added.”

“33M. Department of computational Biology and Bioinformatics”.

The above amendment to the Kerala University First Statutes, 1977 was assented to by the Chancellor on 27-5-2011 and shall come into force with effect from that date.

University Buildings,  
Thiruvananthapuram.

P. RAGHAVAN,  
Registrar in Charge.